

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of KIM ET AL.

Group Art Unit: KIM ET AL.
 Application No.: 10/688,904
 Examiner: TO BE ASSIGNED
 Filed: October 21, 2003
 Docket No.: 11641/160
 For: DEVICE AND METHOD FOR MONITORING LEUKOCYTE
 MIGRATION

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR § 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449s. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom. The filing of this Information Disclosure Statement and the enclosed PTO Form No. 1449s, shall not be construed as an admission that the information cited is prior art, or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b). The paragraphs marked below are applicable. It is believed that no fees other than those indicated below are due, but authorization is hereby given to charge any additional fees due, or to credit any overpayment, to deposit account 11-0600.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. §1.53(d), (b) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, (c) before the mailing date of a first Office Action on the merits in the present application, OR (d) before the mailing of a first office action after filing of a request for continued examination. No certification or fee is required.

☒ 2. The reference(s) was/were cited by or submitted to the Office in parent application Nos.:


U.S. Patent Application No. 10/241,445 filed September 12, 2002;
U.S. Patent Application No. 10/097,329 filed March 15, 2002;
U.S. Patent Application No. 10/097,351 filed March 15, 2002;
U.S. Patent Application No. 10/097,306 filed March 15, 2002;
U.S. Patent Application No. 10/097,304 filed March 15, 2002;
U.S. Patent Application No. 10/097,322 filed March 15, 2002;
U.S. Patent Application No. 10/097,302 filed March 15, 2002;
U.S. Patent Application No. 09/709,776 filed November 8, 2000; and
U.S. Patent Application No. 10/206,112 filed July 29, 2002.

All of which are relied upon for an earlier filing date under 35 U.S.C. §120. Thus, copies of these references are not attached pursuant to 37 CFR §1.98(d).

Respectfully submitted,

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	APPLICANT Enoch KIM et al.	
	FILING DATE September 12, 2002	GROUP 1744

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE (MM/DD/YY)	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE (MM/DD/YY)	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

* English Abstract

** English comments provided on cover sheet.

OTHER DOCUMENTS

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Michael B. Lawrence <i>et al.</i> , "Leukocytes Roll on a Selectin at Physiologic Flow Rates: Distinction from and Prerequisite for Adhesion through Integrins", Cell (1991) 65:859-873
		Peter Marschel <i>et al.</i> , "Control of Fluid Shear Response in Circulating Leukocytes by Integrins", Annals of Biomedical Engineering (2002) 30:333-343
		Monica T. Hinds <i>et al.</i> , "Local hemodynamics affect monocytic cell adhesion to a three-dimensional flow model coated with E-selectin", Journal of Biomechanics (2001) 34:95-103
		Jian Tan <i>et al.</i> , "Micron-Scale Positioning of Features Influences the Rate of Polymorphonuclear Leukocyte Migration", Biophysical Journal (2001) 81:2569-2579
		Pierre Thiébaud <i>et al.</i> , "PDMS device for patterned application of microfluids to neuronal cells arranged by microcontact printing", Biosensors & Bioelectronics (2002) 17:87-93

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE (MM/DD/YY)	NAME	CLASS	SUBCLASS	FILING DATE*
	5,302,515 A	April 12, 1994	Goodwin, Jr.			
	5,422,270 A	June 6, 1995	Caspi			
	5,460,945 A	October 24, 1995	Springer et al.			

FOREIGN PATENT DOCUMENTS

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						YES	NO

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OTHER DOCUMENTS

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		International Search Report, International Application No. PCT/US03/12764, dated August 8, 2003 (3 pages)

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	